

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An optical wiring board comprising:
a support board; and
an optical component including:
an optical waveguide, which has a plate shape and has at least two end faces; and
an optical fiber connected to at least one of the end faces of the optical waveguide optically, wherein:
the optical component is placed on the support board; and
a top surface of the optical component-waveguide and the optical fiber is sealed by resin.
2. (Original) The optical wiring board according to claim 1, wherein:
the optical fiber includes a first optical fiber and a second optical fiber;
the first optical fiber is connected to the one of the end faces of the optical waveguide; and
the second optical fiber is connected to the other of the end faces of the optical waveguide.
3. (Original) The optical wiring board according to claim 1, wherein:
the optical fiber is a plurality of optical fibers, which are connected to the one of the end faces of the optical waveguide optically; and
an optical signal is input to and output from the optical waveguide through the optical fibers.
4. (Original) The optical wiring board according to claim 1, wherein:
the optical component further includes a light diffusion member having a diffusion portion for diffusing light; and
the light diffusion member is disposed at one of:
a position between the one of the end faces of the optical waveguide and the optical fiber; and
a position of the other of the end faces of the optical waveguide.

5. (Original) The optical wiring board according to claim 4, wherein the optical component further includes a inflow prevention member for preventing the resin from flowing into the diffusion portion of the light diffusion member.

6. (Original) The optical wiring board according to claim 5, wherein the inflow prevention member is a resin having viscosity being not less than 5000cps and thixotropic characteristic applied onto a vicinity of an edge of the diffusion portion of the light diffusion member.

7. (Original) The optical wiring board according to claim 5, wherein the inflow prevention member is a tape applied to a vicinity of an edge of the diffusion portion of the light diffusion member.

8. (Original) The optical wiring board according to claim 1, wherein the resin is selected in accordance with difference in thermal expansion coefficient between the support board and the optical component.

9. (Original) The optical wiring board according to claim 1, wherein a refractive index of the resin is smaller than at least one of that of the optical waveguide and that of a core material of the optical fiber.

10. (Original) The optical wiring board according to claim 1, wherein the support board has flexibility.

11. (Original) An optical wiring board comprising:

a support board;

an optical component including:

an optical waveguide, which has a plate shape and has at least two end faces;

an optical fiber, one end face of which is connected to at least one of the end faces of the optical waveguide optically; and

a positioning member for positioning the other end face of the optical fiber, the positioning member having a through hole which the other end face of the optical fiber passes through, wherein:

the optical component is placed on the support board; and

the optical component is sealed by resin.

12. (Original) An optical bus system comprising:

a conversion circuit section for converting an electric signal into an optical signal and converting the optical signal into the electric signal; and

an optical wiring board for transmitting and receiving the optical signal to and from the conversion circuit section, wherein:

the optical wiring board includes:

a support board; and

an optical component including:

an optical waveguide, which has a plate shape and has at least two end faces; and

an optical fiber connected to at least one of the end faces of the optical waveguide optically, wherein:

the optical component is placed on the support board; and

the optical component is sealed by resin.

13. (Currently Amended) A method for manufacturing an optical wiring board including:

a support board; and

an optical component having:

an optical waveguide, which has a plate shape and has at least two end faces; and

an optical fiber connected to at least one of the end faces of the optical waveguide optically,

wherein the optical component is placed on the support board,

the method comprising:

temporarily securing the optical component on the support board; and

simultaneously sealing the optical component-waveguide and the optical fiber to the support board by resin.

14. (Original) The method according to claim 13, wherein:

the temporarily securing is conducted using one of adhesive and a tape; and the sealing is conducted over the one of the adhesive and the tape.

15. (Original) The method according to claim 13, wherein:

the temporarily securing is conducted using adhesive having a refractive index equal to those of the optical fiber and the optical waveguide; and

the temporarily securing includes filling a gap between an end face of the optical fiber and an end face of the optical waveguide with the adhesive.

16. (Original) The method according to claim 13, wherein:

the optical component further includes a light diffusion member having a diffusion portion for diffusing light;

the light diffusion member is disposed at one of:

a position between the one of the end faces of the optical waveguide and the optical fiber; and

a position of the other of the end faces of the optical waveguide;

particles having different refractive index from each other are dispersed in the light diffusion member; and

the temporarily securing is conducted using adhesive having a refractive index equal to those of the optical fiber and the optical waveguide; and

the temporarily securing includes filling a gap between an end face of the optical fiber and an end face of the optical waveguide with the adhesive.